



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15025

April 4, 2013

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Ms. Adina Savage
Allegheny County Health Department
Department of Air Quality
301 Thirty-Ninth Street
Pittsburgh, PA 15201

Subject: USS Reference Number: 13-0081
ACHD Reference Number: 15742
Sulfur Plant
USS Clairton Works

Dear Adina Savage,

The attached form confirms our verbal report of the subject incident and satisfies the requirements of paragraph IV.8 of the Title V operating permit #0052 as issued on March 27th 2012.

I certify that based on the information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete. Any questions concerning this matter should be referred to Coleen M. Davis at 412-233-1015.

Sincerely,

Thomas E. Schumacher
Acting Plant Manager
Clairton Works

CC: James W. Hagedorn (USEPA)

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NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 13-0081
ACHD Reference Number: 15742
2. Date & Time of Breakdown: Date: 04/04/13 Time: 0919 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: Sulfur Plant
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA

Nature and cause of breakdown: A false reading allowed the rich carbonated solution of the 600 Vacuum Carbonate Unit to drop to a low level condition. As a result, the 40 grain H₂S limit at the Sulfur Plant was momentarily exceeded.

8. Identification of Emissions:

- A. Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)
Elevated H₂S in the down river gas line system, causing increased SO₂ at points of combustion.
- B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO₂ is an eye, nose, and throat irritant.
- C. Amount of each type emitted (or likely to be emitted).
Light

9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).
The problem was resolved and normal operations resumed.

10. Facility back in operation - Date: 04/04/13 Time: 0929 hours

Reviewed by *Coleen M. Davis* Date *4-4-13*
Coleen M. Davis
Senior Environmental Control Engineer Phone: 412-233-1015